

BRADY B-7316 - 316 STAINLESS STEEL TAGS

TDS No. B-7316

Effective Date: 25/02/2022

Description:

GENERAL

Print Technology: Laser etched or embossed

Material Type: 316 stainless steel

Finish: Gloss

APPLICATIONS

Brady B-7316 stainless steel cable tags are designed for labeling pipes, cables and wire bundles. B-7316 is made from 316 stainless steel making it very corrosion resistant. The tags can be laser etched or embossed for printed legends that are extremely durable in harsh environments.

REGULATORY/AGENCY APPROVALS

For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: www.bradycanada.ca/weee-rohs

In Europe: www.bradyeurope.com/rohs

In Japan: www.bradycorp.jp/products/labelsuse/rohs

All other regions: www.bradycorp.com/weee-rohs

SPECIAL FEATURES

Details:

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Thickness	ASTM D 1000	0,500 mm (0,020 in)
High Service Temperature	30 days at 815°C (1500°F)	No visible effect
Low Service Temperature	30 days at -80°C (-112°F)	No visible effect
Weatherability	ASTM G155, Cycle 1 1000 hours in Xenon Arc Weatherometer	No visible effect
Salt Fog Resistance	ASTM B 117 2000 hours in 5% salt fog solution chamber	No visible effect
Boiling Water Resistance	Tag soaked in boiling water for 1 hour	No visible effect
Liquid Nitrogen Resistance	Tag dipped in Liquid Nitrogen for 20 minutes	No visible effect
Flame Resistance	Tag heated to cherry red	Tag discolored but still legible
Thermal Cycle Resistance	Tag heated to cherry red then dipped in Liquid Nitrogen	Tag discolored but still legible

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Samples were marked by laser etching and embossing. Testing was conducted at room temperature. Unless otherwise noted results apply for both marking types.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE		
	7 DAY IMMERSION	24 HOUR IMMERSION	1 HOUR IMMERSION
Gasoline	NVE	NVE	NVE
Water	NVE	NVE	NVE
Methyl Ethyl Ketone	NVE	NVE	NVE
Mineral Spirits	NVE	NVE	NVE
Xylene	NVE	NVE	NVE
Acetone	NVE	NVE	NVE
Skydrol® 500B4	NVE	NVE	NVE
Ethanol	NVE	NVE	NVE
Isopropyl Alcohol	NVE	NVE	NVE
Motor Oil	NVE	NVE	NVE
Hydrochloric Acid 37%	Tag dissolved	Discolored but legible	Discolored but legible
Sulphuric Acid 50%	Embossed discolored but legible, Laser illegible	Embossed discolored but legible, Laser illegible	Discolored but legible
Acetic Acid	NVE	NVE	NVE
Sodium Hydroxide 25%	NVE	NVE	NVE
Ammonium Hydroxide 20%	NVE	NVE	NVE

NVE : No Visible Effect

Shelf Life:

Shelf life is 5 years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

Trademarks:

ASTM: American Society for Testing and Materials (U.S.A.)
Skydrol® is a registered trademark of Solutia Inc.

Note: All values shown are averages and should not be used for specification purposes.

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

WARRANTY

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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